4 November 1964

	TRIP REPORT	Declass Review by NGA.
STAT	Place: Date: 14 October 1964	
STAT		Step & Repeat Printer" and eau Printer"
STAT	CONTACT:	,
STAT	The subject contract is in two parts Step & Repeat Printer" and a "Contact Dup with as the prime contractor. The printer is being carried out by	
	A crude breadboard printer has been assembled by and is in operation. It incorporates a $9\frac{1}{2}$ " x 30" format, electric particle clutch drives for the negative and raw stock, an inflatable-deflatable air bag pressure platen and a simulated light source, all supported by an angle-aluminum frame. The breadboard provides an excellent base for testing a variety of operating mechanisms. has proposed several new features. The most unique is the air bag pressure platen which is a rapidly inflatable and deflatable rubber balloon that applies pressure to the printer aperture from the center out. Its pressure can be adjusted to any degree desired. refers to this feature as the huff and puff action.	
	The proposed drives will have a sinu demonstration it appears that the require extended to 15 or 18 frames per minute. by a row of grain-of-wheat lamps. The limultiple (approximately 150) sealed beam condenser lens. Exposure control will be reading through the platen, negative, and exposure control only, to satisfy the AMS	ed 10 frames per minute can be The frame edge will be sensed ght source will probably be lamps, each with a modified e accomplished by sensors I raw stock with length-wise
STAT	In general, the writer was quite impresourcefulness, and mechanical capabilitionly 32 persons but appears to be quite consider them for other jobs of similar nof the enlarger.	y of The company employs apable. It would be well to
	Devel	opment Branch, P&DS